

Micronet Communications, Inc.
 720 F Avenue, Suite 100
 Plano, Texas 75074
 972-422-7200

File: M1812009

=====

TECHNICAL CHARACTERISTICS OF RECEIVE ONLY EARTH STATION

=====

Company:	Columbus Broadcasting Corporation		
Site Name, State:	WCBZ Transmitter, OH		
Call Sign:			
Latitude	(NAD83)	40 6	53.8 N
Longitude	(NAD83)	82 58	54.5 W
Elevation AMSL	(ft/m)	919.95	280.40
Receive Frequency Range	(MHz)	3700-4200	
Transmit Frequency Range	(MHz)		
Range of Satellite Orbital Long.	(deg W)	72.00	139.00
Range of Azimuths from North	(deg)	163.24	246.52
Antenna Centerline	(ft/m)	12.00	3.66
Antenna Elevation Angles	(deg)	42.24	17.01

Equipment Parameters		Receive
Antenna Gain, Main Beam	(dbI)	40.20
15 DB Half Beamwidth	(deg)	2.00

Antennas Receive: PRODELIN 3M

Max Transmitter Power	(dbW/4KHz)	
Max EIRP Main Beam	(dbW/4KHz)	
Modulation / Emission Designator	DIGITAL	36M0G7W

Coordination Parameters		Receive
Max Greater Circle Distances	(km)	318.80
Max Rain Scatter Distances	(km)	409.77
Max Interference Power Long Term	(dbW)	-140.60
Max Interference Power Short Term	(dbW)	-118.40
Rain Zone / Radio Zone		2 A

